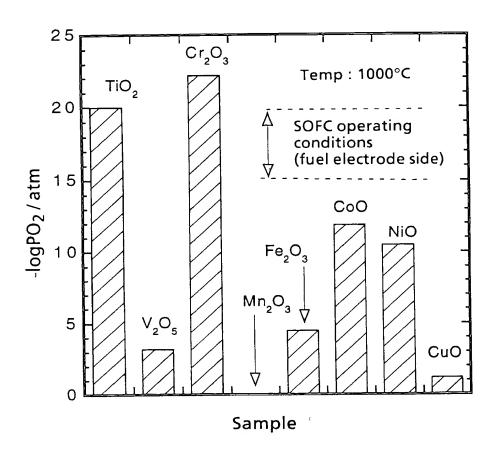
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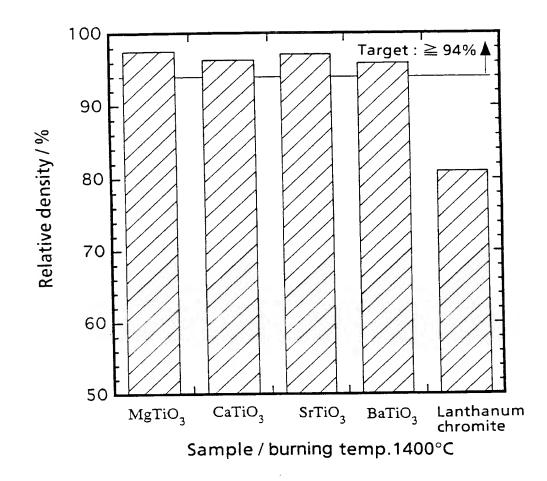
FIG. 1



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FIG. 2



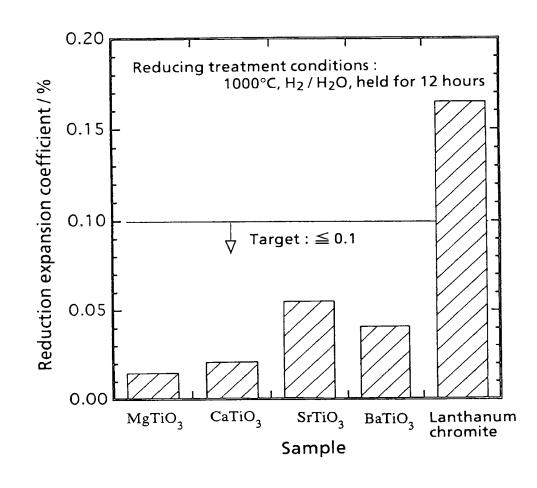
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FIG. 3



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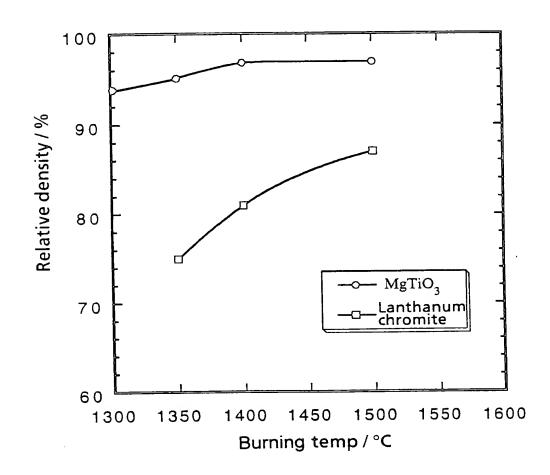
FIG. 4

Burning temp.	MgTiO ₃ system	La _{0.8} Sr _{0.2} CrO ₃ system
1400°C	MgTiO ₃ phase	LaCrO ₃ phase
1450°C	MgTiO ₃ phase	LaCrO ₃ phase
1550°C	MgTiO ₃ phase	LaCrO ₃ phase

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FIG. 5





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FIG. 6



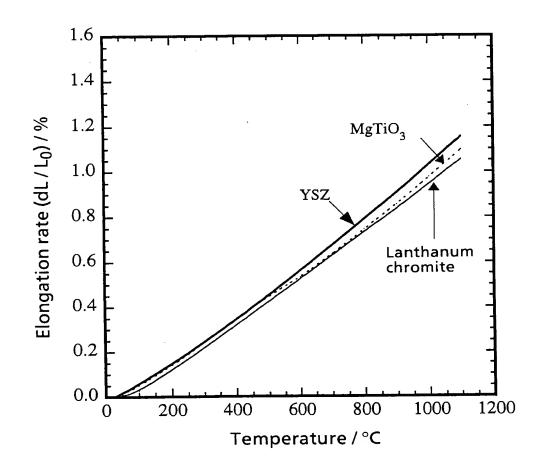


FIG. 7

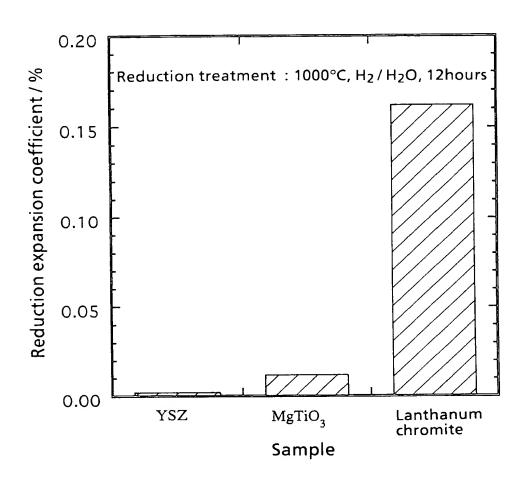
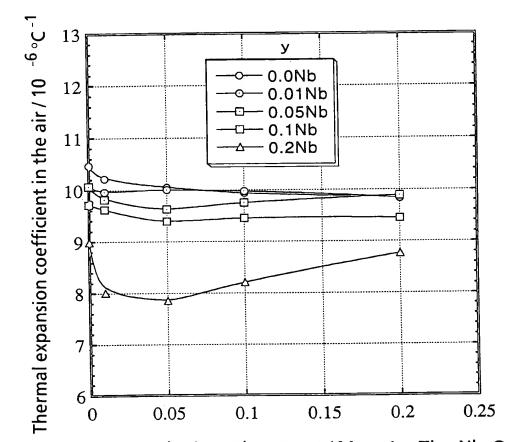


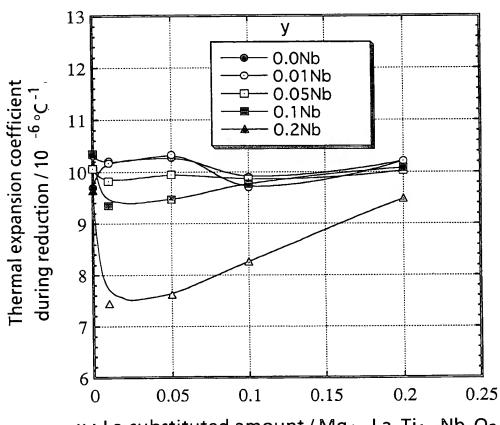
FIG. 8



 $x: La\text{-substituted amount / } Mg_{1\text{-}x}La_xTi_{1\text{-}y}Nb_yO_3$

Carlo stress of the carlo and the carlo stress of the carlo stress

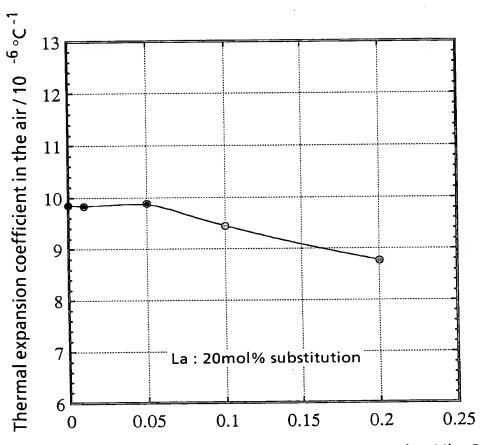
FIG. 9



x: La-substituted amount / $Mg_{1-x}La_xTi_{1-y}Nb_yO_3$

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FIG. 10



y: Nb-substituted amount / $Mg_{0.8}La_{0.2}Ti_{1-y}Nb_yO_3$

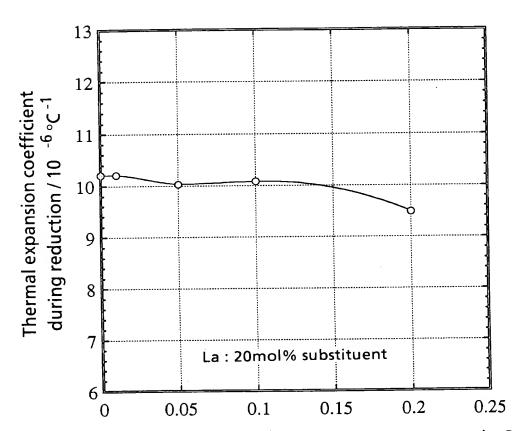
APPROVED O.G. FIG.

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FIG. 11

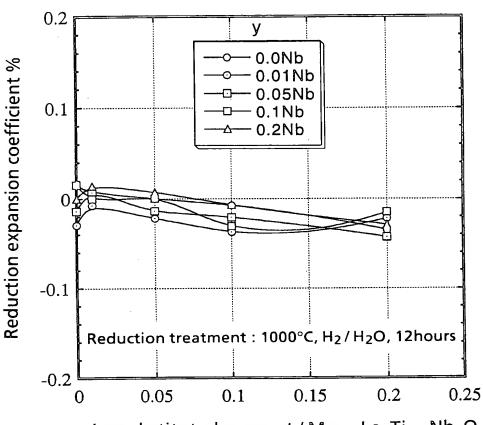


y: Nb-substituted amount $/Mg_{0.8}La_{0.2}Ti_{1-y}Nb_yO_3$

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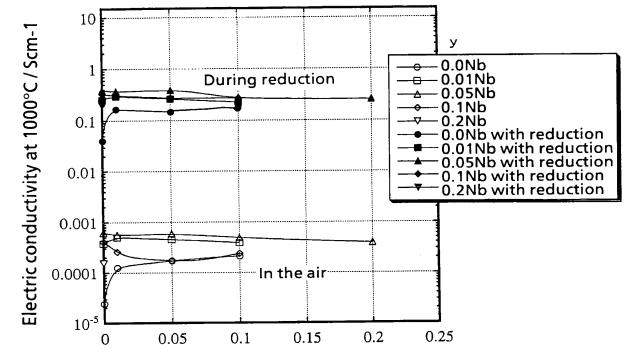
FIG. 12



x: La-substituted amount / $Mg_{1-x}La_xTi_{1-y}Nb_yO_3$

State there is not the second of the second second

FIG. 13



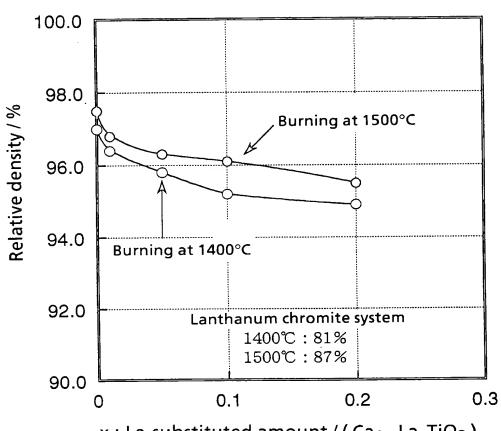
 $x: La-substituted amount / Mg_{1-x}La_xTi_{1-y}Nb_yO_3$

APPROVED O.G. FIG. ·BY DRAFTSMAN

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FIG. 14

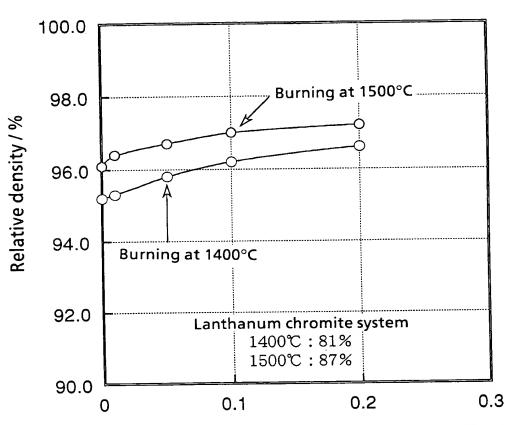


x : La-substituted amount / (Ca_{1-x}La_xTiO₃)

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FIG. 15

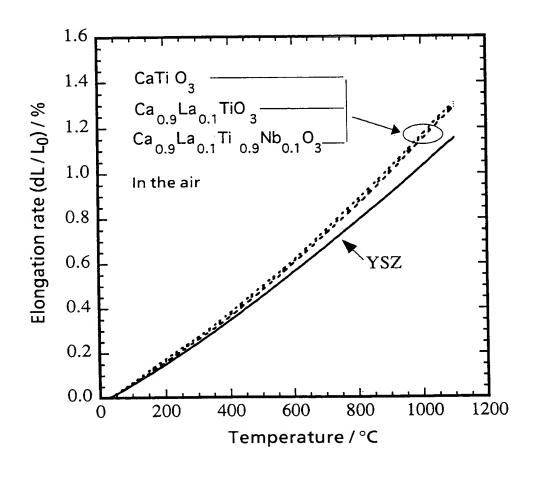


y: Nb-substituted amount / ($Ca_{0.9}La_{0.1}Ti_{1-y}Nb_yO_3$)

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_ BY	CLASS	SUBCLASS

FIG. 16



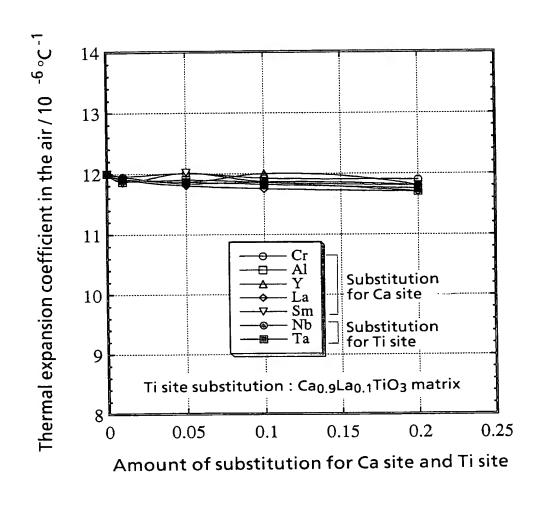


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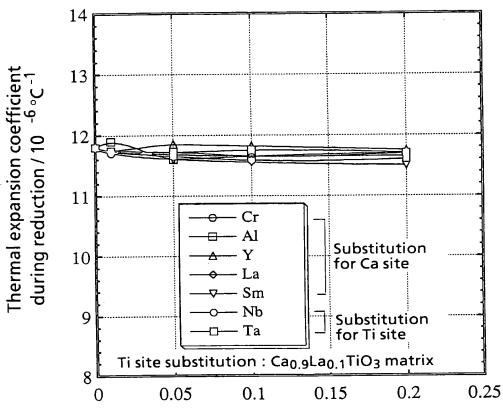
FIG. 17



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FIG. 18

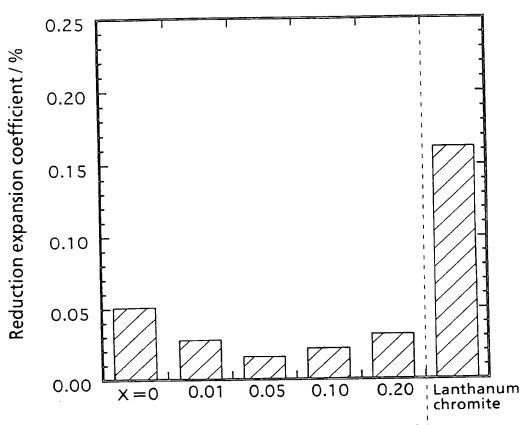


Amounts of substitution for Ca site and Ti site





FIG. 19



x: La-substituted amount / $Ca_{1-x}La_xTiO_3$ system

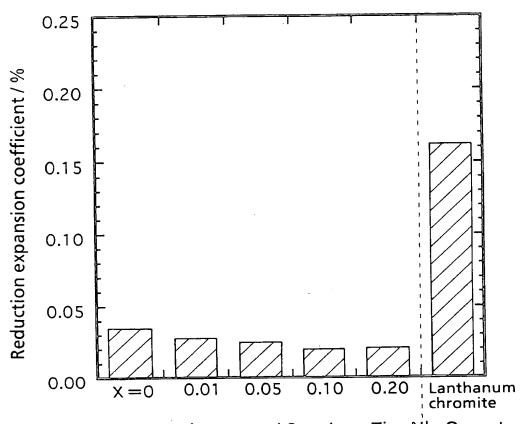
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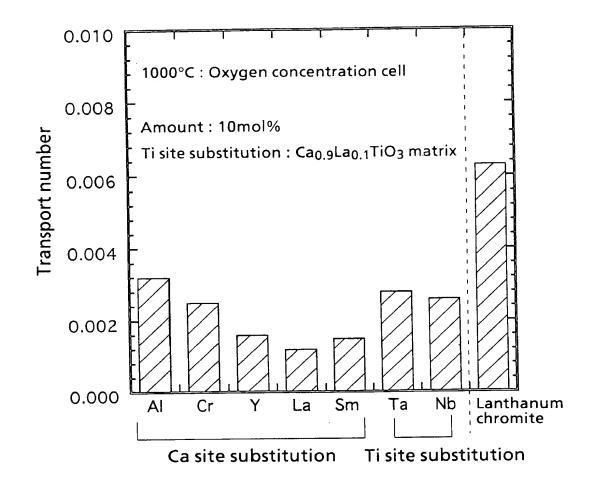


FIG. 20



y: Nb-substituted amount / $Ca_{0.9}La_{0.1}Ti_{1-y}Nb_yO_3$ system

FIG. 21

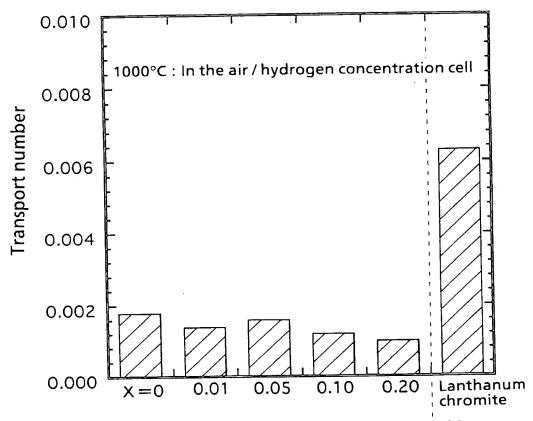


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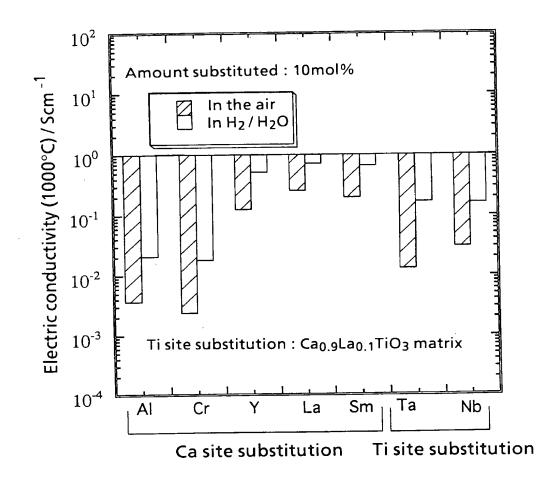


F1G. 22



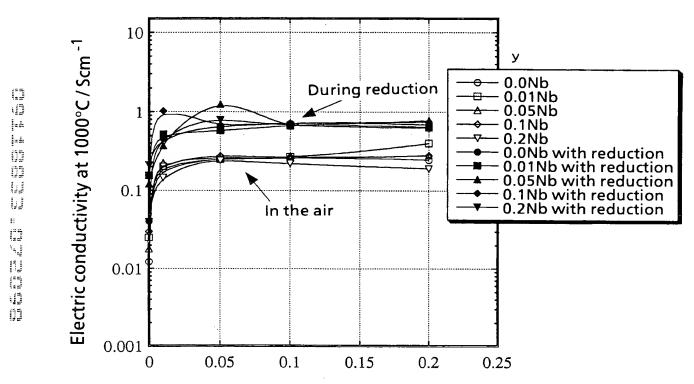
 $x: La-substituted amount / Ca_{1-x}La_x TiO_3$

FIG. 23



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FIG. 24



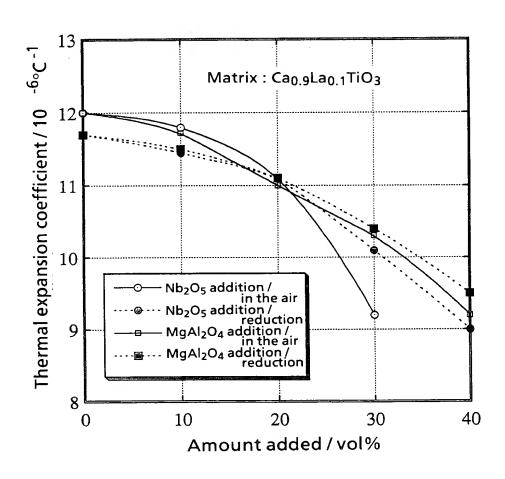
 $x: La-substituted amount / Ca_{1-x}La_xTi_{1-y}Nb_yO_3$

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FIG. 25



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FIG. 26



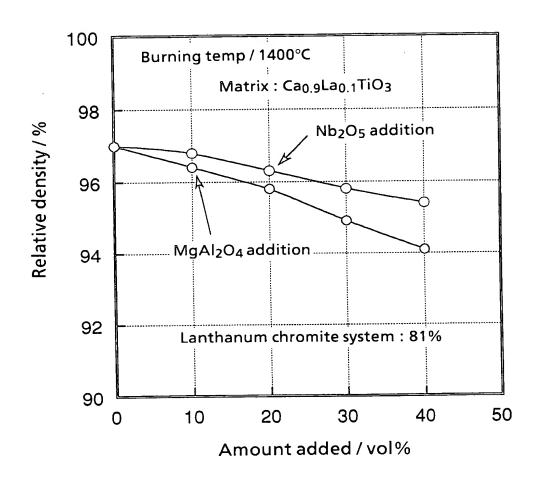






FIG. 27

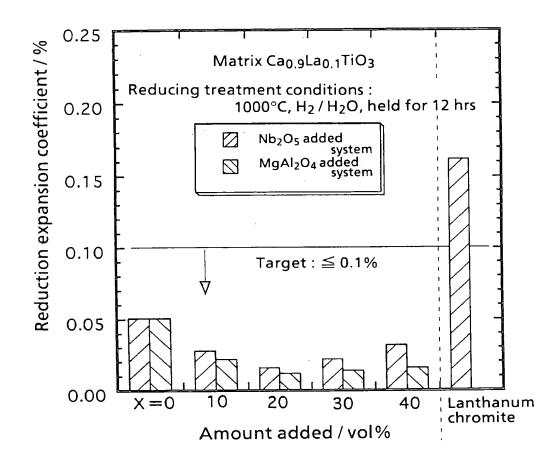


FIG. 28



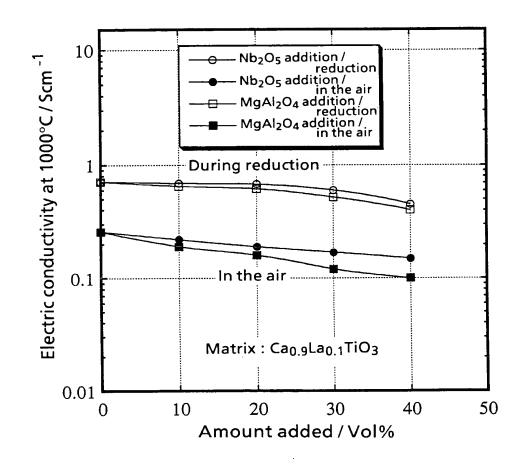


FIG. 29



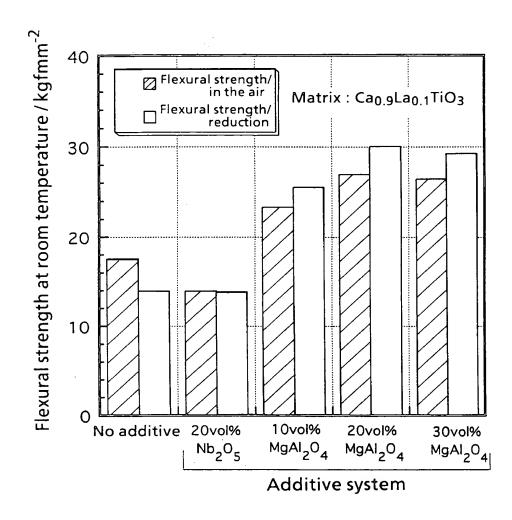
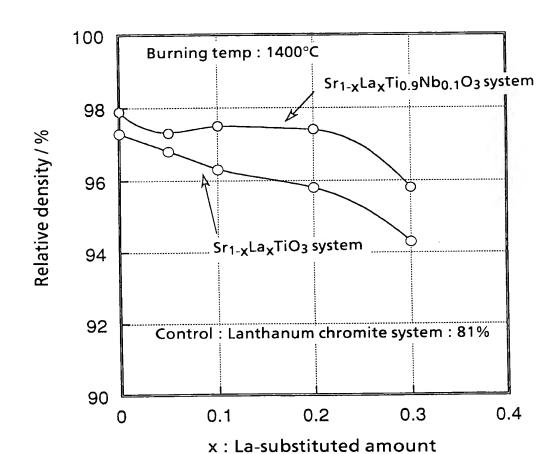






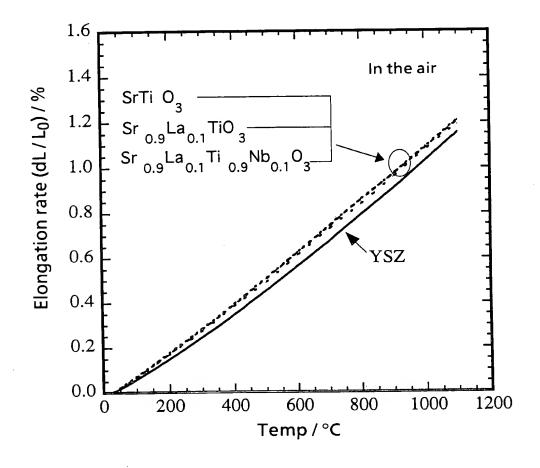
FIG. 30



-	APPROVED O.G. FIG.		
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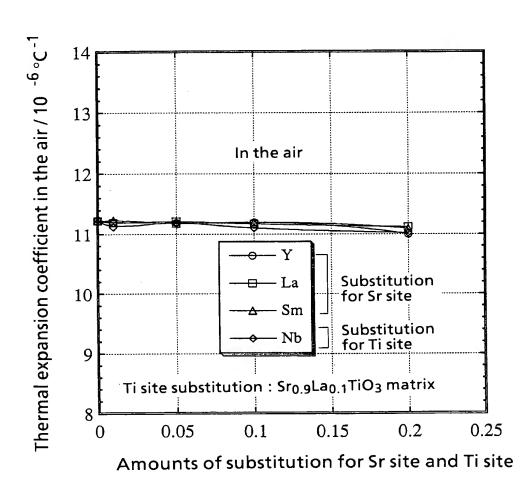
FIG. 31





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FIG. 32



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FIG. 33

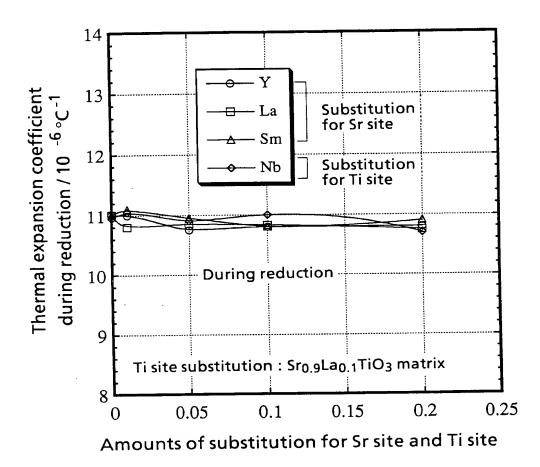
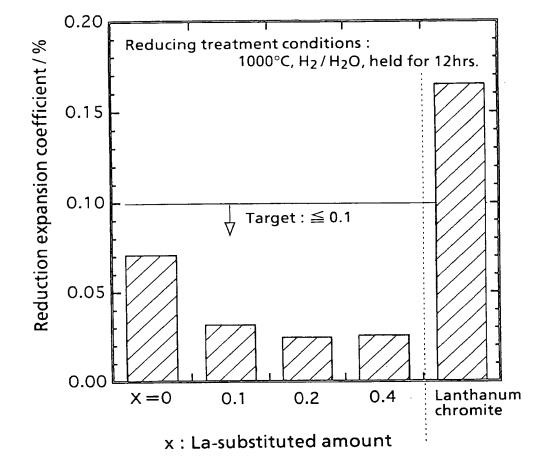


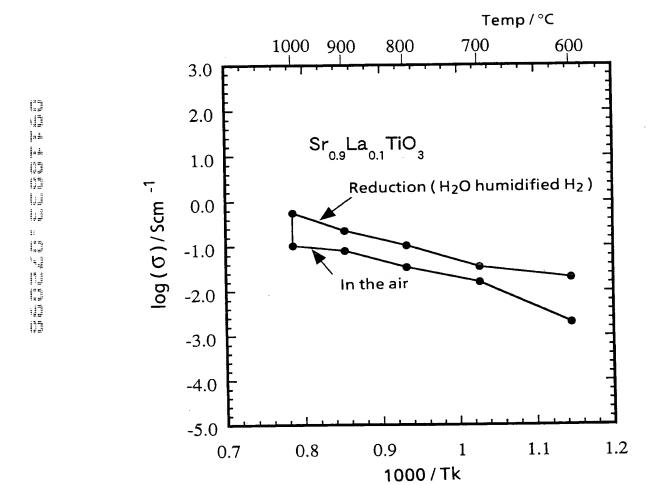
FIG. 34



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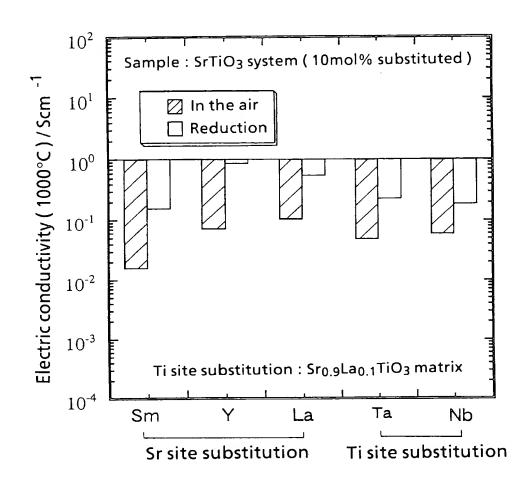
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FIG. 35



APPROVED.	APPROVED O.G. FIG.	
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FIG. 36



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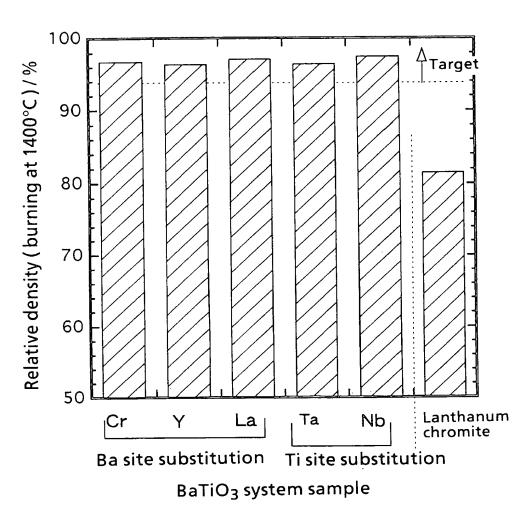
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FIG. 37

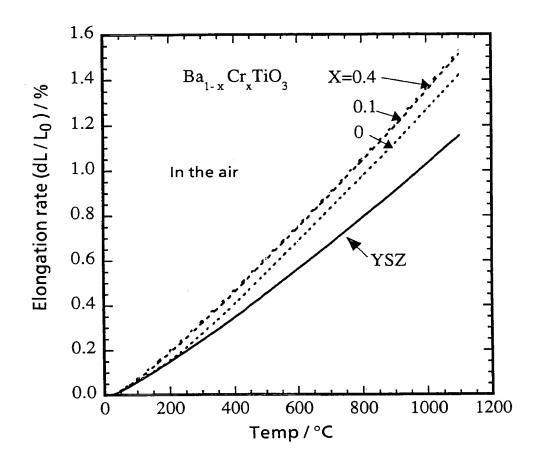


Amount substituted: 10mol% Ti site substitution was done for Ba_{0.9}La_{0.1}TiO₃ matrix

	APPROVED	O.G. FIG.		
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FIG. 38





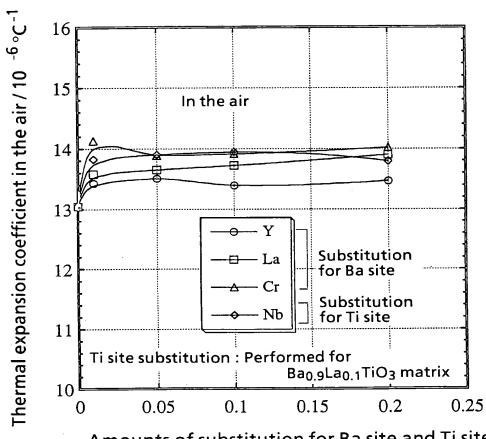
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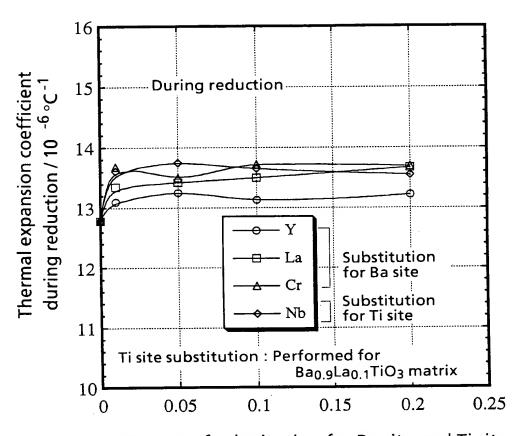
FIG. 39



Amounts of substitution for Ba site and Ti site

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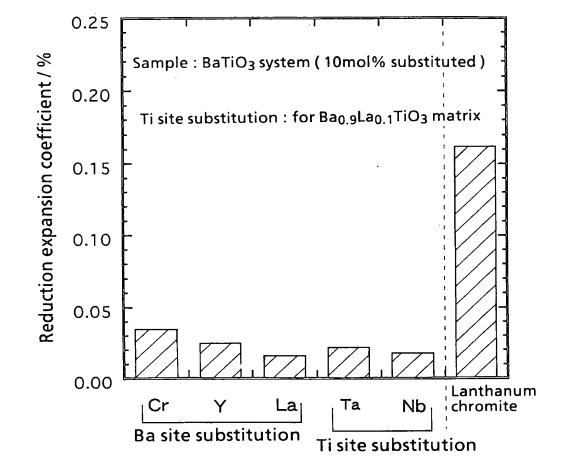
FIG. 40



Amounts of substitution for Ba site and Ti site

BY CLASS SUBCLASS

FIG. 41

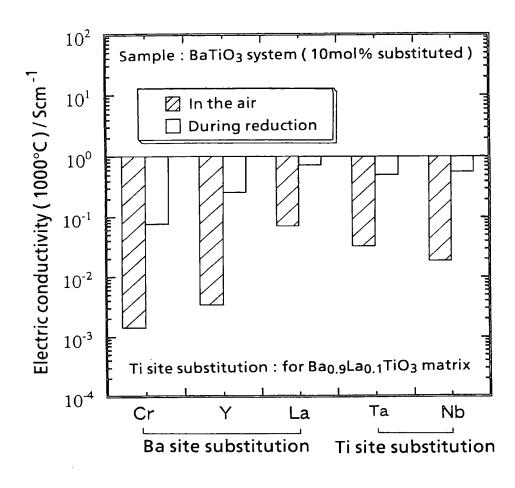


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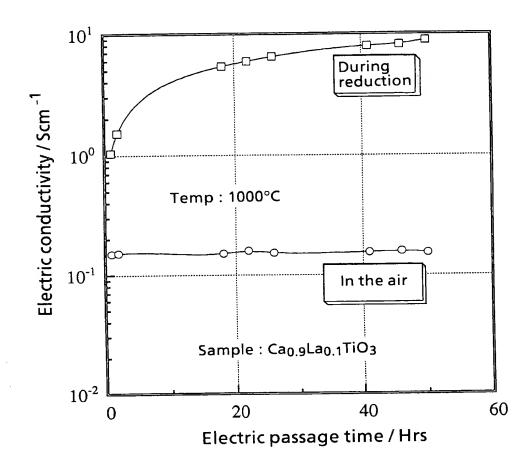
FIG. 42



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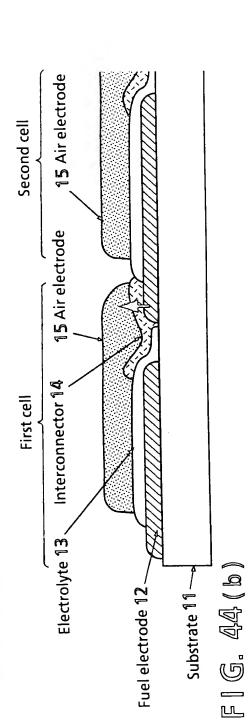
FIG. 43



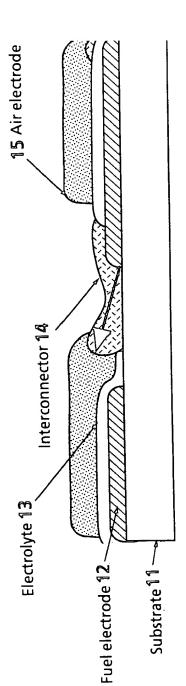


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Advantage: High resistance can be evaded by small thickness. Vertical current collection



Disadvantage: Not usable for a high resistance material Horizontal current collection



APPROVED O.G. FIG.

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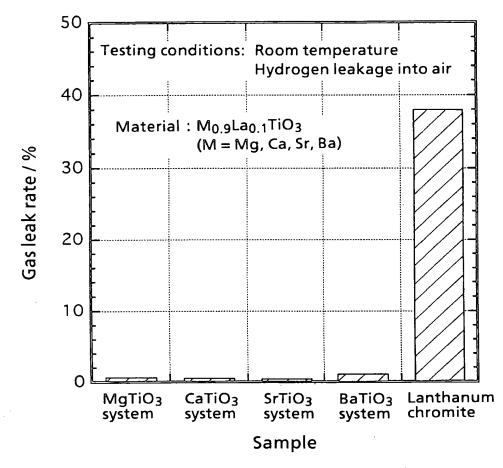
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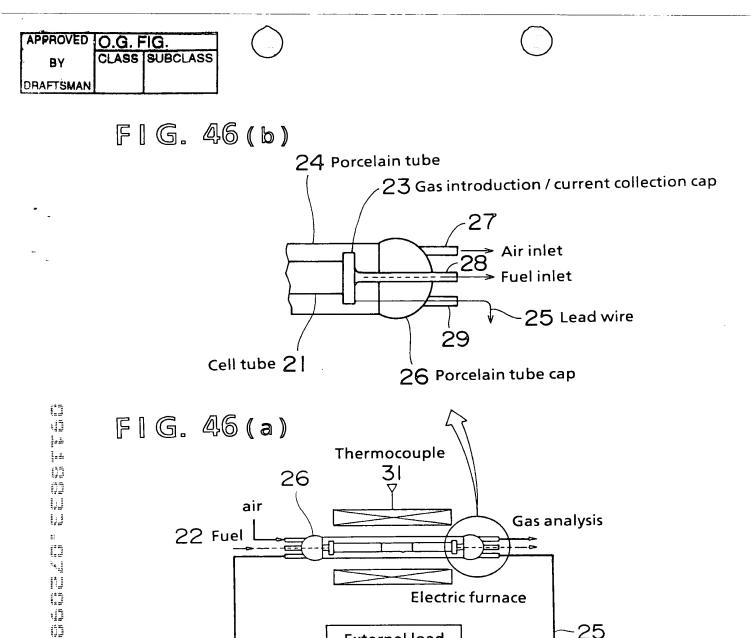
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FIG. 45



20vol% Nb_2O_5 was added to samples other than lanthanum chromite and $MgTiO_3$ system



External load Ampere meter Voltmeter

Impedance

meter

32 Data processor

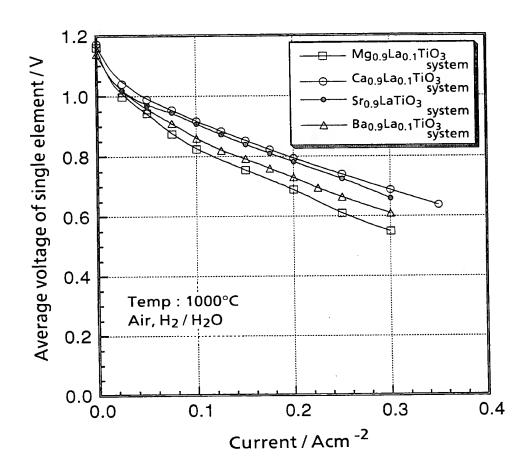
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30 Measuring instrument

-1	APPROVED O.G. FIG.			-
		CLASS	SUBCLASS	
	DRAFTSMAN			

FIG. 47

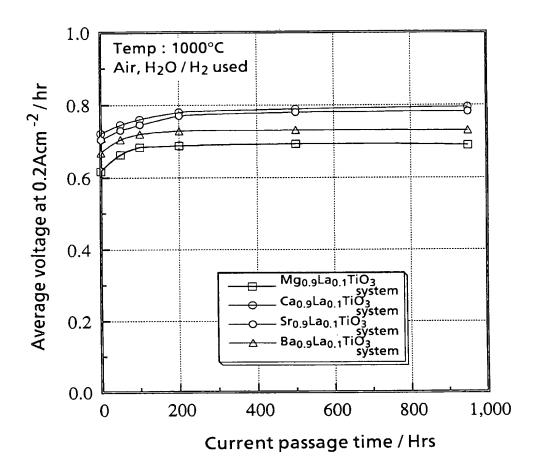




APPROVED O.G. FIG.
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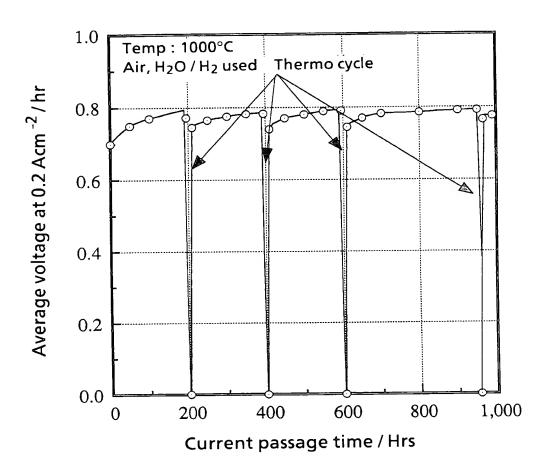
APPROVED O.G. FIG.

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FIG. 49





APPROVED O.G. FIG.
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FIG. 50

